



**DATA
CHEM**
LABORATORIES, INC.

312683



12/23/03
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SUBMITTED TO:

Smita Sumbaly
Weston Solutions, Inc.
1090 King Georges Post Road; Suite 201
Edison, NJ 08837

REFERENCE DATA:

Client Sample No.:	SKL-A-R1-1 through SKL-A-R5-1
P.O. No.:	0042073
Sample Location:	Not Available
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	03-A-6203
DCL Sample ID No.:	03-36660 through 03-36665
Sample Receipt Date:	12/19/03
Analysis Date:	12/23/03

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NIST.

CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3706
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
11 SANTA YORMA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Weston Solutions, Inc.
Location: Not Available
Set ID: 03-A-6203

Client Sample ID:	SKL-A-R1-1	SKL-A-R1-2	SKL-A-R2-1	SKL-A-R3-1	SKL-A-R4-1
DCL Sample ID:	03-36660	03-36661	03-36662	03-36663	03-36664
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Layered Inseparable	Homog.	Homog.	Homog.
Color:	Grey	Grey/Green	Grey	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Fibrous	Crmby/Fbrs	Crmby/Fbrs
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>20≤30	>5≤10	>30≤40	>20≤30	>20≤30
% Amosite:	>3≤5	>1≤3			
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>23≤35	>6≤13	>30≤40	>20≤30	>20≤30
Other Materials					
% Cellulose:		>10≤20	>40≤50		
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:		>20≤30			
% Non Fibrous:	>60≤70	>30≤40	>5≤10	>60≤70	>60≤70

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: 0042073.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

12/23/03

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Weston Solutions, Inc.
Location: Not Available
Set ID: 03-A-6203

Client Sample ID:	SKL-A-R5-1
DCL Sample ID:	03-36665
Macroscopic Examination	
Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Grey
Texture:	Crmby/Fbrs
Description:	Plaster
Analysis:	PLM
Asbestiform Minerals	
% Chrysotile:	
% Amosite:	
% Crocidolite:	
% Tremolite - Actinolite:	
% Anthophyllite:	
% Total Asbestos:	ND
Other Materials	
% Cellulose:	Trace
% Fiberglass:	
% Other Fibers:	
% Resin/Binder:	
% Non Fibrous:	>90≤100

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: 0042073.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

CHAIN OF CUSTODY RECORD

RFP No.: 42576
 PO No.: 0042073

per Aaron Levy



Matrix Box No.:	Preservative Box No.:
1. Surface	1. HCL
2. Ground water	2. HNO ₃
3. Leachate	3. Na ₂ SO ₄
4. Rinseate	4. H ₂ SO ₄
5. Soil/Sediment	5. Other (specify)
6. Oil	6. Ice Only
7. Waste	N. Not preserved
8. Other (Specify)	*See Comments

Removal Support Team
 EPA Contract 68-W-00-113
 Phone: (732) 225-6116 Fax: (732) 225-7037

03-AT-6203

Send verbal and written results to:						Weston Solutions, Inc. Suite 201, 1090 King Georges Post Road, Edison, New Jersey, 08837 Attention: Smita Sumbaly, RST Analytical Coordinator									
						RAS ANALYSIS						RCRA ANALYSIS			
Sample Number	Sample Collection MM/DD/YY Time	Sample Matrix (Enter Box 1)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box 8)	VOCs	SMA	PEST	PCBs	TAL	CN	ION	COR	REAC	OTHER
SKL-A-RM	12/14/03, 1630	*	H	G	-	36660									PLM
SKL-A-R-2	12/14/03, 180	*	H	G	-	36661									PLM
SKL-A-R-2-1	12/14/03, 1635	*	H	G	-	36662									PLM
SKL-A-R-3-1	12/14/03, 1620	*	H	G	-	36663									PLM
SKL-A-R-4-1	12/17/03, 1130	*	H	G	-	36664									PLM
SKL-A-R-5-1	12/17/03, 1125	*	H	G	-	36665									PLM
Comments: * Asbestos - Run PLM + wait for instructions to run TEM - send result of PLM to															
Person Assuming Responsibility for Samples: Weston Solutions											Time/Date				
Aaron Levy															
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody										
ALL	[Signature]	1505	12/18/03	FedEx	Shipment to Lab										
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody										
				[Signature]	12/18/03 1133										
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody										

Weston Solutions, Inc.
 FEDERAL PROGRAMS DIVISION
 In Association with Scientific and Environmental Associates, Inc., Resource Applications, Inc., and Innovative Technical Solutions, Inc.